Scope of Work

The following Scope describes the work that will be completed to evaluate the feasibility of water augmentation options for each of the 22 Planning Areas within Arizona displayed in **figure 1**. Water supply and demand estimates from the Arizona Department of Water Resources projecting to the year 2060 indicate that opportunities for augmenting the water supply using the methods listed on **table 1** drafted by the Long-Term Water Augmentation Committee should be considered in order to diversify the water portfolio across all three water user sectors within the state (municipal, industrial, agricultural). Doing so would better prepare water users for, and possibly prevent, emergency situations that create an environment in which water demand in the area exceeds supply.

The Long-Term Water Augmentation Committee has agreed to hire a consultant to undertake the analysis of the 22 Planning Areas by cross checking the water augmentation options with the evaluation factors listed in **table 2**. The information acquired from these factors will determine which water augmentation options have higher priority in a given Planning Area compared to others. The analysis will also look at the economic feasibility of these options. Once the Planning Area analysis is complete, recommendations as to statewide priorities shall also be made.

- The contract is expected to begin on _____ and terminates on _____
- The consultant shall provide these services for a cost not to exceed **$**_____
- The consultant shall provide a status report as requested to the Long-Term Water Augmentation Committee either by phone or in person
- The final deliverable will entail a brief to inform the Governor's Water Augmentation Council and the general public that will consist of an evaluation of each of the 22 Planning Areas as well as a statewide analysis for the feasibility of water augmentation projects
- A final presentation to the Long-Term Water Augmentation Committee

Figure 1.

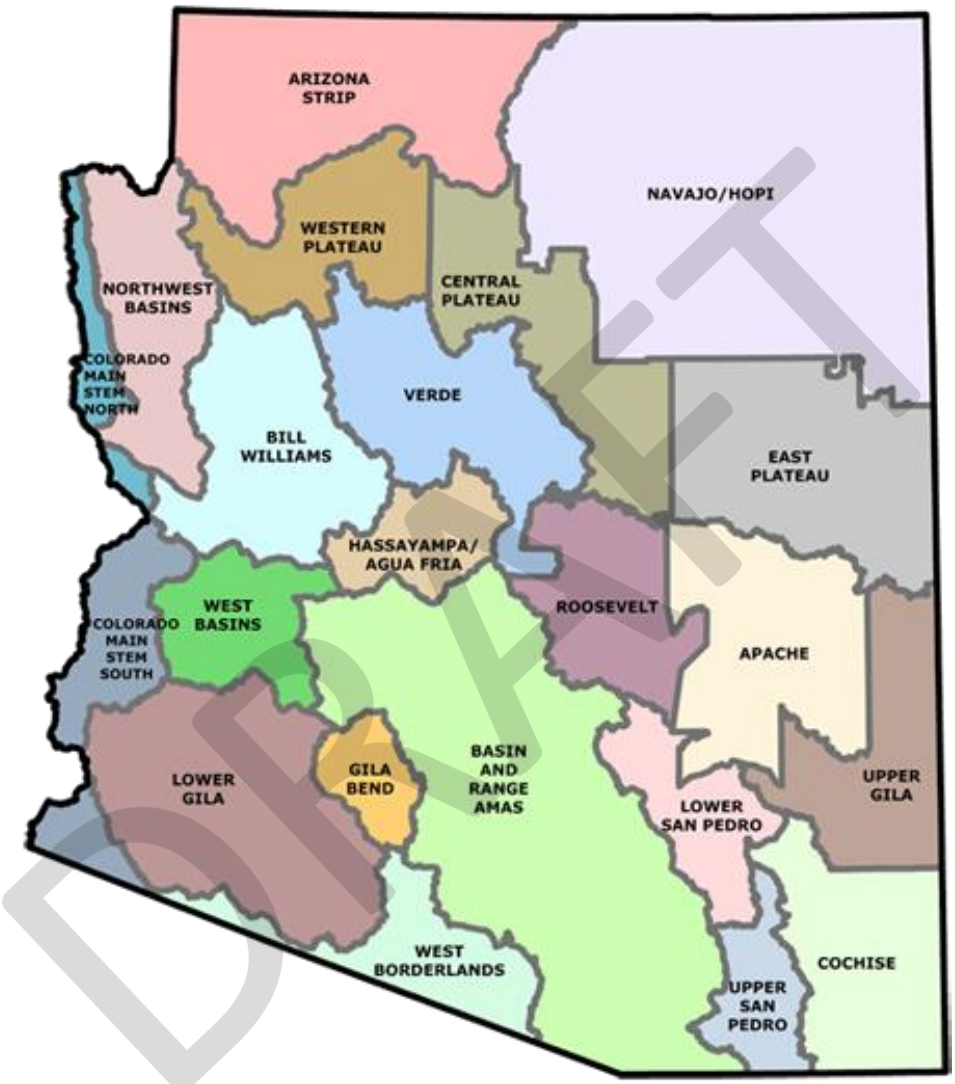

Table 1.

AUGMENTATION OPTIONS		
Short Term Augmentation (10 yrs) ~Water Management~	**Voluntary In-State Exchanges**	**Long Term Augmentation (10-30 yrs)**
Conservation-Municipal	Groundwater	Ocean Desalination
Conservation-Ag	Groundwater/Surfacewater	Deep Aquifer Wells
Aquifer Recharge-Urban Runoff	Surface Water	Voluntary Out of State Importations
Aquifer Recharge-Treated Recycled Water	Reclaimed Water	Voluntary Out of State Exchanges
Potable Reuse-Treated Recycled Water	**Voluntary In-State Transfers**	Bi-national Options
Non-Potable Reuse-Treated Recycled Water	Groundwater	
Weather Modification	Surface Water	
Forest Restoration	**Brackish Desalination**	
Water Banking		
Regulatory Revisions		

Table 2.

EVALUATION FACTORS				
Priority	**Benefiting Planning Areas**	**Levelized Cost per Acre Foot**	**Yield** (Acre Feet per Annum & Sustainability)	**Cost Efficiency**
Permitting (Local, State, Federal)	**Ability to Increase Supply with Development**	**Renewability**	**Need for Legislative and Rule Changes**	**Existing or Planned Augmentation Projects**
Ability to Finance	**Potential Partners**	**Environmental Considerations**	**Reduced Energy Impact**	**Local Issues**
Impact on other PAs (Financial, Environmenal, etc.)	**Other Enviornmental, Legal, and Technical Constraints**	**Time to Complete**	**Milestones** (Feasibility Analysis, Plans, & Implementation)	